

Title (en)
DISPLAY APPARATUS

Title (de)
ANZEIGEVORRICHTUNG

Title (fr)
AFFICHEUR

Publication
EP 3379387 A1 20180926 (EN)

Application
EP 18162693 A 20180320

Priority
KR 20170034838 A 20170320

Abstract (en)
A display apparatus is disclosed. The display apparatus includes a display panel (100), a supporter (80) attached to a rear surface of the display panel (100), and a piezoelectric vibration unit (50) including a fixing portion (51) attached to the supporter and a cantilever portion (55) overhanging from the supporter (80).

IPC 8 full level
G06F 3/01 (2006.01); **H01L 41/09** (2006.01); **H04R 7/04** (2006.01); **H04R 17/00** (2006.01)

CPC (source: CN EP KR US)
G06F 3/016 (2013.01 - CN EP US); **H02N 2/0015** (2013.01 - US); **H04M 1/0266** (2013.01 - CN); **H04N 5/60** (2013.01 - KR); **H04N 5/64** (2013.01 - CN); **H04N 5/642** (2013.01 - KR); **H04R 1/22** (2013.01 - EP US); **H04R 17/00** (2013.01 - EP KR US); **H10N 30/88** (2023.02 - US); **H04R 5/02** (2013.01 - EP US); **H04R 7/045** (2013.01 - EP US); **H04R 2307/025** (2013.01 - EP US); **H04R 2400/03** (2013.01 - EP US); **H04R 2440/05** (2013.01 - EP US); **H04R 2499/11** (2013.01 - EP US); **H04R 2499/15** (2013.01 - EP US); **H10K 50/8426** (2023.02 - US); **H10K 59/8722** (2023.02 - CN EP KR); **H10N 30/2042** (2023.02 - EP US)

Citation (search report)
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• [Y] US 2009045700 A1 20090219 - SASAKI YASUHIRO [JP], et al
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3379387 A1 20180926; **EP 3379387 B1 20210505**; CN 108632549 A 20181009; CN 108632549 B 20210105; KR 102384033 B1 20220406; KR 20180106473 A 20181001; US 11522470 B2 20221206; US 2018269808 A1 20180920

DOCDB simple family (application)
EP 18162693 A 20180320; CN 201810228783 A 20180320; KR 20170034838 A 20170320; US 201815923782 A 20180316